

Workplace Alaska

Class Specification Naval Architect

Created:
09/04/1997 by Adrienne Snow
Finalized on:

AKPAY Code: P8440
Class Outline Cat: B
Approved by:

Class Code: PK0650
Class Range: 24
Class Status: Active

Category: Professional
Original Date: 01/14/1982

Class Title: Naval Architect
Use MJR Form: Standard

Original Comments:
Original

Subsequent Revision Dates/Comments:
01/01/01 - Range change from 22 - Pilot project.
10/10/2001 - Audited (cpreecs)
09/25/2008 - Workplace AK spec revision: Added Census Job Code and AKPAY Code fields; Replaced Category field with Class Outline Category; Updated EEO4, SOC, and Class Code fields; Removed DOT field.

Last Update: **EEO4:** B **SOC:** 17-2121 **Census:** 02

Last Update Comments:

Definition:

Under general administrative direction, performs specialized professional engineering work in the field of naval architecture to ensure the optimum design and performance of all the vessels of the Marine Highway System.

Distinguishing Characteristics:

This class is distinguished from other engineering and architecture classes by the specialized nature of work performed in the development of design criteria and by the degree of responsibility entailed in reviewing contracted vessel design and construction work for acceptability.

Examples of Duties:

Works with operating vessel personnel to develop design and performance criteria for new ship construction or major modifications to existing ocean-going vessels.

Develops specifications and prepares bid proposals for vessel design and construction work, assists in evaluating and awarding bids, and administers all such contracts when awarded.

Reviews vessel design work done on contract and applies principles of naval architecture to ensure adherence to sound design criteria and specifications, makes specialized technical studies and investigations, accepts or rejects design work on behalf of the State.

Assigns, reviews, and personally performs detailed inspections of vessel construction or alteration in progress as the owner's representative; approves project segments or directs corrective action.

Conducts acceptance and performance inspections and trials upon completion of vessel construction or modification, determines acceptability of shipyard performance, recommends acceptance into service or rejection of the vessel as delivered.

Reviews technical journals and periodicals to remain current in marine design, materials and components. May provide advice and assistance regarding naval architecture to other state agencies and local governments.

Knowledge, Skills and Abilities:

Knowledge of naval architecture and ship surveying, marine designs and materials, ship building practices and methods.

Ability to apply naval architectural principles and concepts, develop motor vessel design and performance criteria and construction specifications, inspect shipyard work, and act as owner's representative during construction, inspections and acceptance trials.

Minimum Qualifications:

Bachelor's degree from an accredited college with a major in naval architecture, marine engineering or a closely related field, plus six years of professional experience in the design, construction, renovation or modification of ships.

Substitution: Additional qualifying experience may be substituted for the required education on a year-for-year basis.

Required Job Qualifications:

(The special note is to be used to explain any additional information an applicant might need in order to understand or answer questions about the minimum qualifications.)

Special Note:**Minimum Qualification Questions:**

Do you have a bachelor's degree from an accredited college with a major in naval architecture, marine engineering or a closely related field?
AND

Do you have six years of professional experience in the design, construction, renovation or modification of ships?

Or Substitution:

Do you have a total of four years in any combination of education from an accredited college in naval architecture, marine engineering or a closely related field (3 semester hours or 4 quarter hours equals one month) and/or professional experience in the design, construction, renovation or modification of ships?
AND

Do you have six years of professional experience in the design, construction, renovation or modification of ships?